ATTORNEY'S DOCKET NUMBER: 2002630-0012

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	Liu, et al.	Examiner:
Serial No.:	10/051,644	Art Unit:
Filed:	January 18, 2002	
For:	Screens and Assays for Agents Useful in Controlling Parasitic Nematodes	

ASSISTANT COMMISSIONER FOR PATENTS
B OX IDS
WASHINGTON, DC 20231

Sir:

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants respectfully request consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

(Select A, B or C below)

A. [X] This Information Disclosure Statement has been filed:
(check 1, 2 and/or 3 below)

1. [ ] within three months of the filing date of the above identified U.S. Patent application;
2. [ ] within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International application; and/or
3. [X] before the mailing date of the first Office Action on the merits in the above-identified application.

No fee or certification is required.

B. [] This Information Disclosure Statement has been filed more than three months after the filing date of the present application and after the mailing date of this first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311.
(check 1 or 2 below)

1. [ ] The fee of $180 as set forth in 37 C.F.R. §1.17(p) is enclosed; or
2. [ ] Applicants hereby certify, as specified in 37 C.F.R. §1.97(e), that
(check a or b below)
   a. [ ] each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application not more than three months prior to the filing of this Statement; or
   b. [ ] no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement.

C. [ ] This Information Disclosure Statement has been filed after the mailing date of either a Final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311 and before payment of an Issue Fee.
(check 1, 2, and 3 below)

1. [ ] The Applicant hereby certifies, as specified in 37 C.F.R. §1.97(e), that:
(check a or b below)
   a. [ ] each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application not more than three months prior to the filing of this Statement.

b. [ ] no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart for this application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement.

2. [ ] A Petition requesting consideration of the Information Disclosure Statement is attached.

3. [ ] The Petition Fee of $130 as set forth in 37 C.F.R. §1.17(i)(1) is enclosed.

PART II - Information Cited

A. [X] The Applicant hereby makes of record in the above-identified application the reference(s) listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

B. [ ] The Applicant hereby makes the following additional information of record in the above-identified application:

PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

A. [ ] The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

B. [ ] The following are remarks concerning the other information cited:

PART IV: Remarks

A. [X] Copies of references

(check 1 or 2 below)

1. [X] A copy of each of the references cited on the attached form PTO-1449 (modified) is enclosed;

2. [ ] Copies of certain of the references cited on the attached form PTO-1449 (modified) are not enclosed because each of these references (indicated by asterisk) was previously cited by or submitted to the Office in a prior application, which prior application is relied upon for an earlier filing date under 35 U.S.C. § 120.

B. [X] It is respectfully requested that:

(check 1, 2, and 3 below)

1. [X] The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

2. [X] The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited patent(s) and publication(s) has (have) been fully considered by the Patent and Trademark Office during the examination of this application;

3. [X] The citations for the patent(s) and publication(s) be printed on any patent which issues from this application.

C. [X] By submitting this Information Disclosure Statement, Applicants make no representation that a search has been performed, of the extent of any search performed, or that more material information may not exist.

D. [X] By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

E. [X] By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

F. [X] Notwithstanding any statements by Applicants, the Examiner is urged to form his or her own conclusions regarding the relevance of the cited reference(s).

An early and favorable action is hereby requested.

Please charge any additional fees or credit any overpayments to our Deposit Account No. 03-1721.

Respectfully submitted,

By: Monica R. Gerber
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Dated: October 10, 2002

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231
on 10/10/02
Sandra Saccocia

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For:	SCREENS AND ASSAYS FOR AGENTS USEFUL IN CONTROLLING PARASITIC NEMATODES	

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Sir:

TRANSMITTAL LETTER

Enclosed are the following documents:

1. Form PTO-1449 (3 pages);
2. Information Disclosure Statement (5 pages);
3. Cited Art (29)
3. Return Postcard

If any additional fees are required to be paid or if any overpayment has been made, please charge same to Deposit Account No. 03-1721.

Respectfully submitted,

Monica R. Gerber

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Dated: October 10, 2002

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Form PTO-1449 (REV. 8-83) U.S. Department of Commerce Patent and Trademark Office	Atty. Docket: 2002630-0012	In re Application No. 10/051,644
INFORMATION DISCLOSURE STATEMENT (*Use several sheets if necessary*)	Applicant: Liu et al.	
	Filing Date: 1/18/2002	Group:

U.S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass

U.S. PATENT APPLICATIONS

Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No

OTHER DOCUMENTS

Examiner's Initials	(Including Author, Title, Date, Pertinent Pages, Etc.)
	Zhan Bin, et al., Ancylostoma Secreted Protein (ASP-1) Homologues in Human Hookworms, *Molecular and Biochemical Parasitology*, **98** (1999) 143-149
	Mark Blaxter, Genes and Genomes of Necator Americanus and Related Hookworms, *International Journal for Parasitology, 30 (2000) 347-355*
	Thomas R. Burglin, et al., Caenorhabditis Elegans as a Model for Parasitic Nematodes, *International Journal for Parasitology* **28** (1998) 395-411

	Giuseppe Cassata, Rapid Expression Screening of Caenorhabditis Elegans Homeobox Open Reading Frames Using a Two-Step Chain Reaction Promoter-gfp Reporter Construction Technique,*Gene* 212 (1998) 127-135
	Robin B. Gasser, et al., Genomic and Genetic Research on Bursate Nematodes: Significance, Implications and Prospects, *International Journal for Parasitology, 30, (2000) 509-534*
	Jesus A. Gutierrez, Genomics: From Novel Genes to New Therapeutics in Parasitology, *International Journal for Parasitology*, **30** (2000) 247-252
	John M. Hawdon, et al., Cloning and Characterization of Ancylostoma-secreted Protein, *The Journal of Biological Chemistry*, **271**, March 22, 6672-6678, 1996
	J. M. Hawdon, et al., Developmental Adaptions in Nematodes, *Parasite-_____ Association 1991, 274-298*
	John M. Hawdon, et al., Hookworm: Developmental Biology of the Infectious Process, *Current Opinion in Genetics & Development*, 1996, **6** 618-623
	John M. Hawdon, Ancylostoma Secreted Protein 2: Cloning and Characterization of a Second Member of a Family of Nematode Secreted Proteins from Ancylostoma Caninum, *Molecular and Biochemical Parasitology,* **99**, (1999) 149-165
	High-Throughput Isolation of Caenorhabditis Elegans Deletion Mutants, *Genome Research, 9, 859-867*
	Peter Hotez, et al., Metalloproteases of Infective Ancylostoma Hookworm Larvae and Their Possible Functions in Tissue Invasion and Ecdysis, Infection and Immunity, *American Society for Microbiology*, Dec. 1990, 3883-3892 00199567/123883
	Peter Hotez, et al., Molecular Mechanisms of Invasion by Ancylostoma Hookworms, *Molecular Approaches to Parasitology, 21-29, 1995 Wiley-Liss, Inc.*
	P. Hotez, et al., Hookworm Larval Infectivity, Arrest and Amphiparatenesis: The Caenorhabditis Elegans Daf-c Paradigm, *Parasitology Today, 9, No. 1, January 1993*
	Richard S. Hussey, et al., Nematode Parasitism of Plants, *Department of Plant Pathology University of Georgia*
	Iterated Profile Searches with PSI-BLAST – a Tool for Discovery in Protein Databases, Computer Corner TIBS 23 – November 1998
	Detlef H. Kozian, et al., Comparative Gene-Expression Analysis, *The Center for Applied Genomics*
	Istvan Ladunga, Large-Scale Predictions of Secretory Proteins from Mammalian Genomic and EST Sequences, *Current Opinion in Biotechnology*, 2000, 11 13-18
	Kris N. Lambert, et al., Cloning and Characterization of an Esophageal-Gland-Specific Chorismate Mutase from the Phytoparasitic Nematode Meloidogyne Javanica, *MPMI*, **12**, No. 4, 1999, 328-336
	Elizabeth M. Link, Therapeutic Target Discovery Using Caenorhabditis Elegans, *Ashley Publication*
	Rick M. Maizels, et al., Toxocara Canis: Genes Expressed by the Arrested Infective Larval Stage of a Parasitic Nematode, *International Journal for Parasitology, 30 (2000) 495-508)*
	D.M. Miller, et al., Two-Color GFP Expression System for C. Elegans, *Bio Techniques, 26, 914-921 (May 1999)*

	Huan M. Ngo, et al., Differential Sorting and Post-Secretory Targeting of Proteins in Parasitic Invasion, *Cell Biology*
	Plant Parasitic Nematodes: Digesting a Page from the Microbe Book, *Proc. Natl. Acad. Sci. USA, 95, 4789-4790, April 1998*
	Masao Sakaguchi "Eukaryotic protein secretion," *Current Opinion in Biotechnology, 1997, 8, 595-601*
	Greet Smant et al., "Endogenous Cellulases in Animals: Isolation of B-1,4-Endoglucanase Genes from Two Species of Plant-Parasitic Cyst Nematodes", *Proc. Natl. Acad. Sci. USA*, **95**, 4906, April 1998 Biochemistry
	Marcelo Bento Soares, Identification and Cloning of Differentially Expressed Genes, *Current Opinion in Biotechnology* 1997, **8**, 542-546
	S.A. Williams, et al., The Filarial Genome Project: Analysis of the Nuclear, Mitochondrial and Endosymbiont Genomes of Brugia Malayi, *International Journal for Parasitology, 30 (2000) 411-419*
	Valerie Moroz Williamson, et al., Nematode Pathogenesis and Resistance in Plants, *The Plant Cell*, **8**, 1735-1745 1996

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